Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-28-90** **Date: 22-07-19**
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP,
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Lake View Layout Main Road in Kempegowda Ward No-01.
Agency	:	Sri.G.Venkategowda, No:531/1, 14th A Cross, A Sector, Yelahanka New Town, Bangalore-64.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/77/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	19-07-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.55	_
2	Finess by Air permeablity method (m^2/kg,Min)	287.5	225m^2/kg, Min
3	Density (gm/cc)	3.12	_
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	260 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

A.E.E

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CIVIL PRO BANGALORE Sig. Date

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT ON COARSE AGGREGATES

Date: 20-07-19

Lab ID	:	CP-2019-08-28-90
Customer	:	Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Lake View Layout Main Road in Kempegowda Ward No-01.
Agency	:	Sri.G.Venkategowda, No:531/1, 14th A Cross, A Sector, Yelahanka New Town, Bangalore-64.
Customer Reference	:	EE(YNK.D)E-PMT-09/W.O/77/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-07-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	18-07-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	255	255	5.1	94.9	90-100
3	10 mm	2789	3044	60.9	39.1	25-55
4	4.75 mm	1545	4589	91.8	8.2	0-10
5	Pan	411	5000	100	0	–

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/08/2019

Lab ID : CP-2019-08-28-90
Customer : Assistant Executive Engineer,Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
roject Name : Improvements to Roads and Drains at Lake View Layout Main Road in Kempegowda Ward No-01.
gency : Sri.G.Venkategowda, No:531/1, 14th A Cross, A Sector, Yelahanka New Town, Bangalore-64.

stomer's Reference : EE(YNK.D)E-PMT-09/W.O/77/2019-20
urce of Sample : Sample supplied by Agency
mple Condition : Satisfactory
te of Receipt : 31-07-19
stomer ID : Drain Side Wall Concrete
mple Type /Size : 150X150X150 mm
mple grade/Age : M20 / 7 Days Compressive Strength
eference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/08/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	29/07/2019	05/08/2019	151.98 X 149.03 X 151.02	22649	8.457	427.6	18.9	18.8
2	Drain Side Wall Concrete	M20	29/07/2019	05/08/2019	150.39 X 151.64 X 149.45	22805	8.704	429.3	18.8	
3	Drain Side Wall Concrete	M20	29/07/2019	05/08/2019	150.53 X 151.98 X 149.72	22878	8.087	427.9	18.7	

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FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

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****End of Report****

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